Reference	Wang and Fondell (2001)	Wang and Fondell (2001)
Characteristics of Cell Line	,	()
Name of cell line	HeLa (E19)	HeLa (E19)
Cell source	Human cervical tumor	Human cervical tumor
Transfection of Cells with Plasmids		
	Stable AR/Transient	Stable AR/Transient
Stable or transient transection	reporter	reporter
AR expression vector	pTetCMV-F0(S)-AR	pTetCMV-F0(S)-AR
AR source	human	human
Reporter vector	MMTV-Luc	ARE2-DS-Luc
Endpoint measured	Luciferase activity	Luciferase activity
Plasmid transfected for cell toxicity	none	none
Endpoint measured for cell toxicity	n.a.	n.a.
Preparation of Cells for Assay		
Transient		
	One day prior to	One day prior to
Pregrowth of cells before transient	transfection with	transfection with
transfection	reporter vector	reporter vector
Time from transient transfection to treatment of cells Stable	3 hours	3 hours
Plating time prior to treatment with test substance	n.a.	n.a.
Transcriptional Activation Assay		
Test substance solvent	n.p.	n.p.
No. of replicates	n.p.	n.p.
No. of times assay repeated	3	3
Test substance incubation time	48 hours	48 hours
Agonism assay		
Reference ligand	Testosterone	Testosterone
Final concentration of reference ligand	100 nM	100 nM
Antagonism assay		
Reference ligand	Testosterone	Testosterone
Final concentration of reference ligand	n.p.	n.p.

Abbreviations: n.a. = not applicable;

Reference	Wang and Fondell (2001)	Gaido et al. (2000)
Characteristics of Cell Line		
Name of cell line	HeLa (E19)	HepG2
Cell source	Human cervical tumor	Human hepatoma
Transfection of Cells with Plasmids		
	Stable AR/Transient	Transient AR/Transient
Stable or transient transection	reporter	reporter
AR expression vector	pTetCMV-F0(S)-AR	n.p.
AR source	human	human
Reporter vector	PB(-285/+32)-Luc	MMTV-Luc
Endpoint measured	Luciferase activity	Luciferase activity
Plasmid transfected for cell toxicity	none	pCMV -gal
Endpoint measured for cell toxicity	n.a.	-galactosidase activity
Preparation of Cells for Assay		
Transient		
Pregrowth of cells before transient transfection	One day prior to transfection with reporter vector	overnight
Time from transient transfection to treatment of cells Stable	3 hours	n.p.
Plating time prior to treatment with test substance	n.a.	n.a.
Transcriptional Activation Assay		
Test substance solvent	n.p.	n.p.
No. of replicates	n.p.	3
No. of times assay repeated	3	At least 3
Test substance incubation time	48 hours	24 hours
Agonism assay	T	
Reference ligand	Testosterone	n.a.
Final concentration of reference ligand	100 nM	n.a.
Antagonism assay	T	5 D'1 1 + + + +
Reference ligand	Testosterone	5 -Dihydrotestosterone
Final concentration of reference ligand	n.p.	n.p.

Abbreviations: n.a. = not applicable;

Reference	Maness et al. (1998)	Tamura et al. (2001)	
Characteristics of Cell Line	Characteristics of Cell Line		
Name of cell line	HepG2	HepG2	
Cell source	Human hepatoma	Human hepatoma	
Transfection of Cells with Plasmids	Truman nepatoma	тишан перасонна	
Transfection of Cens with Trasmitus	T AD/T	T A D/T	
Stable on the signt the of sation	Transient AR/Transient	Transient AR/Transient	
Stable or transient transection	reporter	reporter	
AR expression vector	pRSAR	pRSAR	
AR source	human	human	
Reporter vector	MMTV-Luc	MMTV-Luc	
Endpoint measured	Luciferase activity	Luciferase activity	
Plasmid transfected for cell toxicity	pCMV -gal	pCMV -gal	
Endpoint measured for cell toxicity	-galactosidase activity	-galactosidase activity	
Preparation of Cells for Assay			
Transient			
Pregrowth of cells before transient transfection Time from transient transfection to	overnight	n.p.	
treatment of cells	3 hours	n.p.	
Stable Stable	3 Hours	п.р.	
Plating time prior to treatment with test substance	n.a.	n.a.	
	Transcriptional Activation Assay		
Test substance solvent	DMSO	DMSO	
No. of replicates	3	3	
No. of times assay repeated	3 to 9	3	
Test substance incubation time	24 hours	24 hours	
Agonism assay			
Reference ligand	5 -Dihydrotestosterone	n.a.	
Final concentration of reference ligand	1 μΜ	n.a.	
Antagonism assay			
Reference ligand	5 -Dihydrotestosterone	5 -Dihydrotestosterone	
Final concentration of reference ligand	n.p.	n.p.	

Abbreviations: n.a. = not applicable;

Reference	Wilson et al. (2002)	Hartig et al. (2002)
Characteristics of Cell Line		
Name of cell line	MDA-kb2	MDA-MB-453
Cell source	Derived from MDA-MB- 453 cells (human breast carcinoma)	Human breast carcinoma
Transfection of Cells with Plasmids		
Stable or transient transection AR expression vector	Stable reporter Endogenous hAR	Transduced reporter Endogenous hAR
AR source	human	human
Reporter vector Endpoint measured	pMMTV.Luc.neo Luciferase activity	Ad/mLuc7 Luciferase activity
Plasmid transfected for cell toxicity	none	none
Endpoint measured for cell toxicity	n.a.	n.a.
Preparation of Cells for Assay		
Transient		
Pregrowth of cells before transient transfection Time from transient transfection to treatment of cells	n.a. n.a.	24 hours 4 hours
Plating time prior to treatment with test substance	4 to 6 hours	n.a.
Test substance solvent	st substance solvent Ethanol Ethanol	
No. of replicates	At least 4	Ethanol 3 to 4
No. of times assay repeated	3	n.p.
Test substance incubation time	overnight	48 hours
Agonism assay	- · · · · · · · · · · · · · · · · · · ·	- 10 1120
Reference ligand	n.a.	5 -Dihydrotestosterone
Final concentration of reference ligand	n.a.	0.1 nM
Antagonism assay		
Reference ligand	5 -Dihydrotestosterone	5 -Dihydrotestosterone
Final concentration of reference ligand	0.1 or 1.0 nM	0.1 nM

Abbreviations: n.a. = not applicable;

Reference	Lambright et al. (2000)	Sultan et al. (2001)	
Characteristics of Cell Line	Characteristics of Cell Line		
Name of cell line	MDA-MB-453-kb2	PALM	
Cell source	Human breast carcinoma	Derived from PC-3 cells (human prostate adenocarcinoma)	
Transfection of Cells with Plasmids	Trainer of east earthonia	uudiio cur ciiioiiiu)	
Transfection of Cens with Trasmites			
Stable or transient transection AR expression vector	Stable reporter Endogenous hAR	Stable AR/Stable reporter pSG5-puro-hAR	
AR source	human	human	
Reporter vector	MMTV.neo.luciferase	pMMTV-neo-Luc	
Endpoint measured	Luciferase activity	Luciferase activity	
Plasmid transfected for cell toxicity	pCMV -gal	none	
Endpoint measured for cell toxicity	-galactosidase activity	n.a.	
Preparation of Cells for Assay			
Transient			
Pregrowth of cells before transient transfection Time from transient transfection to	n.a.	n.a.	
treatment of cells	n.a.	n.a.	
Stable			
Plating time prior to treatment with test substance	5 to 6 hours	n.p.	
Transcriptional Activation Assay			
Test substance solvent	Ethanol	n.p.	
No. of replicates	n.p.	n.p.	
No. of times assay repeated	n.p.	n.p.	
Test substance incubation time	overnight	n.p.	
Agonism assay			
Reference ligand	n.a.	n.a.	
Final concentration of reference ligand	n.a.	n.a.	
Antagonism assay	5 D'1 1	N. (1. 1) 1	
Reference ligand	5 -Dihydrotestosterone	Methyltrienolone	
Final concentration of reference ligand	0.1 nM	0.1 nM	

Abbreviations: n.a. = not applicable;

Reference	Terouanne et al. (2000)	Terouanne et al. (2000)	
Characteristics of Cell Line	Characteristics of Cell Line		
Name of cell line	PALM	PC-3	
Cell source	Derived from PC-3 cells (human prostate adenocarcinoma)	Human prostate adenocarcinoma	
Transfection of Cells with Plasmids	udenoeuremoniu)	adenocaremonia	
Transfection of Cens with Trasmitus		Transient AR/Transient	
Stable or transient transection AR expression vector	Stable AR/Stable reporter pSG ₅ -puro-hAR	reporter pSG ₅ -puro-hAR	
AR source	human	human	
Reporter vector	pMMTV-neo-Luc	pMAMneo-Luc	
Endpoint measured	Luciferase activity	Luciferase activity	
Plasmid transfected for cell toxicity	none	pCMV ₅ galactosidase	
Endpoint measured for cell toxicity	n.a.	-galactosidase activity	
Preparation of Cells for Assay			
Transient			
Pregrowth of cells before transient transfection Time from transient transfection to	n.a.	n.p.	
treatment of cells	n.a.	n.p.	
Stable		· ·	
Plating time prior to treatment with test substance	12 hours	n.a.	
Transcriptional Activation Assay			
Test substance solvent	F12 medium	n.p.	
No. of replicates	2	2	
No. of times assay repeated	At least 3	At least 3	
Test substance incubation time	30 hours	n.p.	
Agonism assay	M-4114' 1		
Reference ligand	Methyltrienolone	n.a.	
Final concentration of reference ligand	0.1 nM	n.a.	
Antagonism assay	Mathyltrianalana	Mathyltrianalana	
Reference ligand Final concentration of reference ligand	Methyltrienolone 0.1 nM	Methyltrienolone 0.1 nM	
i mai concentration of reference figand	U. I IIIVI	U.I IIIVI	

Abbreviations: n.a. = not applicable;

Reference	Schrader and Cooke (2000)
Characteristics of Cell Line	
Name of cell line	PC-3 LUC ^{AR+}
	Derived from PC-3 cells (human
Cell source	prostate adenocarcinoma)
Transfection of Cells with Plasmids	prostate adenocaremonia)
Transfection of eens with Trasmitus	
Stable or transient transection	Stable AR/Stable reporter
AR expression vector	pCMV5-hAR
AR source	human
Reporter vector	MMTV.pMAMneo-Luc
Endpoint measured	Luciferase activity
Plasmid transfected for cell toxicity	none
Endpoint measured for cell toxicity	n.a.
Preparation of Cells for Assay	π.α.
Transient	
Transferi	
Pregrowth of cells before transient	
transfection	n.a.
Time from transient transfection to	11.4.
treatment of cells	n 0
Stable	n.a.
Stable	
Plating time prior to treatment with test	
substance	24 hours
Transcriptional Activation Assay	
Test substance solvent	DMSO
No. of replicates	n.p.
No. of times assay repeated	n.p.
Test substance incubation time	18 hours
Agonism assay	
Reference ligand	5 -Dihydrotestosterone
Final concentration of reference ligand	n.p.
Antagonism assay	
Reference ligand	5 -Dihydrotestosterone
Final concentration of reference ligand	n.p.

Abbreviations: n.a. = not applicable;